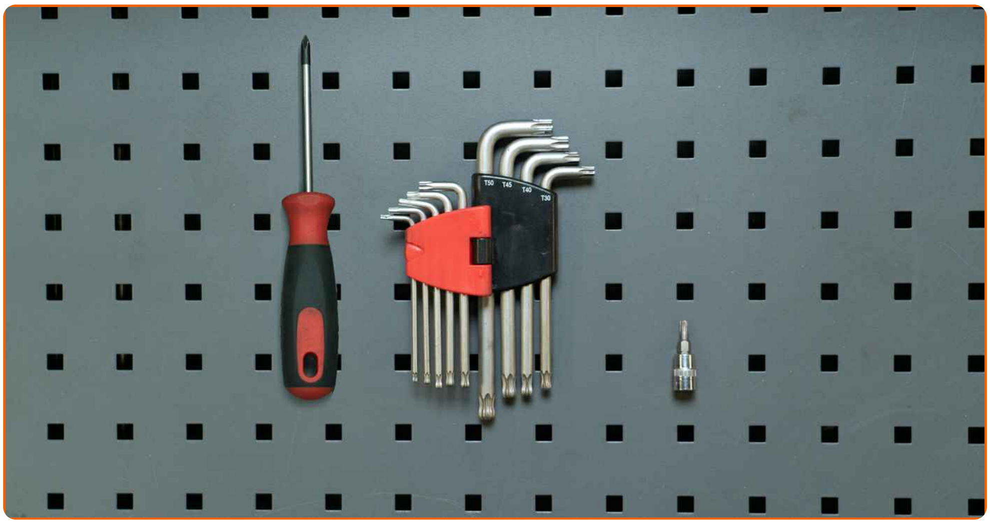
AUTODOC CLUB

How to change fuel filter on a car – replacement tutorial

VIDEO TUTORIAL



REQUIRED TOOLS:



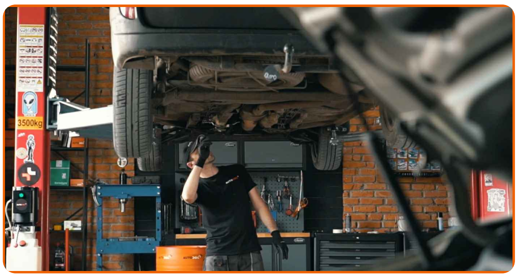
- Phillips screwdriver
- Torx wrench
- Torx bit

BUY TOOLS

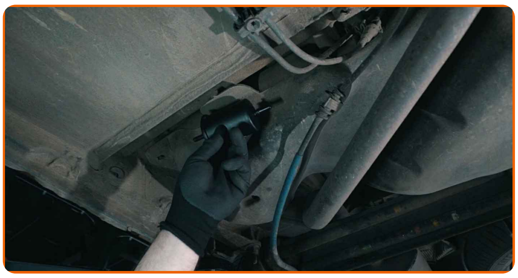
The main reasons for replacing the fuel filter:

- the engine running rough
- difficulty starting the engine
- engine power loss

1 The fuel filter location depends on the car design and the engine type



2 The fuel filter can be found: on the underside of the car (near the fuel tank or closer to the engine)



3 In the engine compartment near the engine



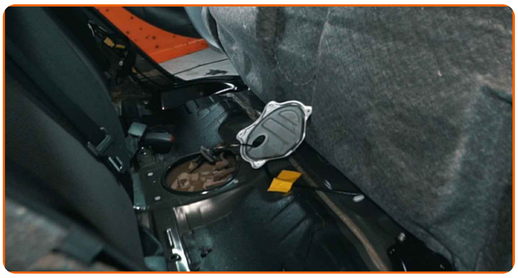
4 On the engine



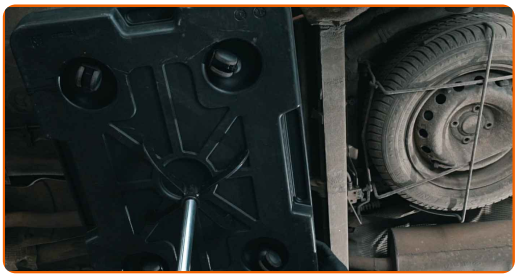
5 Inside the fuel tank



6 If the fuel filter is located in the tank, a cover is provided under the rear seat or in the luggage compartment floor for easy access to it



7 In some cases, it might be necessary to remove the fuel tank



8 An in-tank fuel filter can form a single unit with the pump and fuel level sensor. Often all these components are changed together as an assembly



Caution!

- Observe all safety precautions while working: fuel is highly flammable
- Avoid sparks
- Prevent dirt from entering the system

9 Clean the working area



10 Fuel filter hoses are usually fastened with quick connectors



11 They can be detached simply by unclipping them



12

In some cars, the fuel hoses are secured with clamps



Please note:

- The system is open while the work is being carried out
- This means that you will need to perform additional steps to remove air from the fuel system

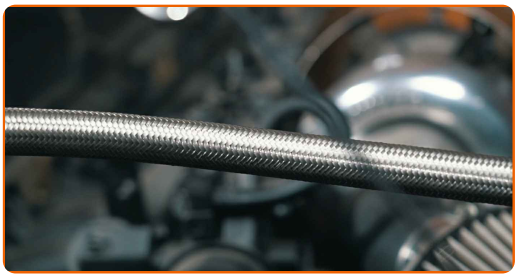
13

To prime the fuel system of a petrol car, turn on the ignition and try to start the engine several times



14

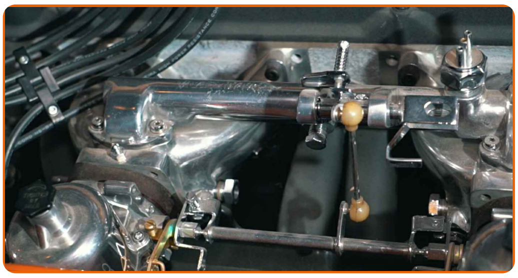
The fuel pump will fill the system with fuel, and the engine will start



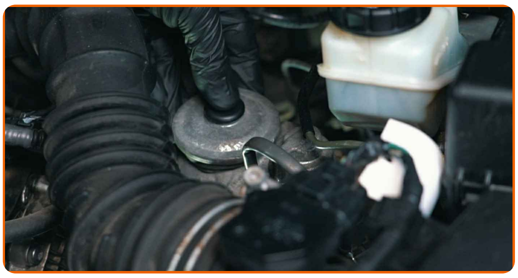
Please note!

- The engine will not start at the first attempt

15 To prime the fuel system of a diesel car, special equipment is required



16 A built-in primer pump



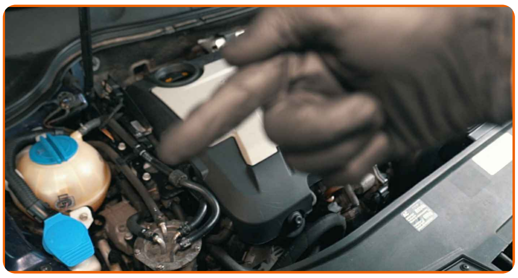
17 An electric pump that is activated when the ignition is switched on or by means of additional equipment



18 A fuel primer bulb



19 These devices force feed fuel to the system



20 Prime the system until it is completely free of air



21 Unscrew all fasteners of the fuel filter cover



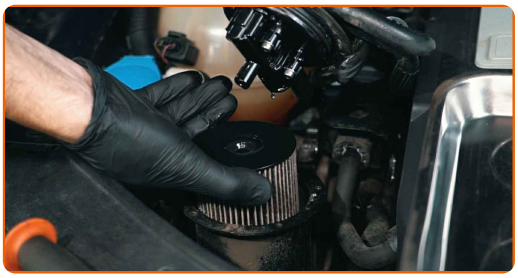
22 Prepare a container for the used filter



23 Carefully pry off the fuel filter cover using a suitable tool



24 Remove the cover and extract the filter element



Important!

- While working, take care to not cause any sparks: fuel is highly flammable

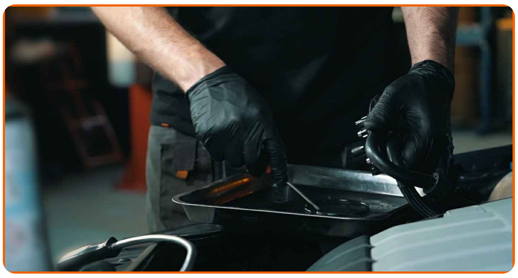
25 Remove the fuel filter housing and pour out the remaining fuel



26 Clean the housing and reinstall it



27 Remove the old O-rings from the filter cover



28 Clean their mounting seats



29

Install new O-rings



30

Install a new fuel filter



AUTODOC recommends:

- Check that all elements are installed correctly

31

Tighten the fasteners one after another in a criss-cross pattern

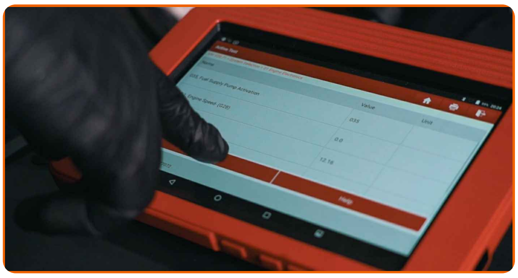


32

Use a torque wrench and apply the manufacturer's recommended torque



33 Prime the system in the way that is best for your car

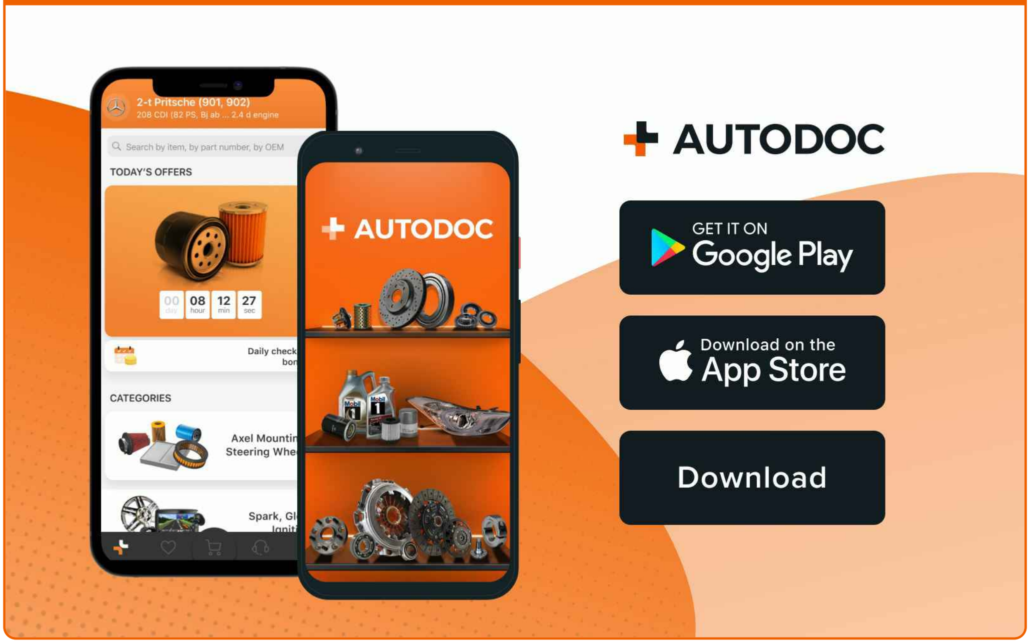


34 Make sure there are no fuel leaks in the connection areas and start the engine



AUTODOC — TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

FUEL FILTER: A WIDE SELECTION

ⓘ DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.